Amendments to the Claims: This listing of claims will replace all prior versions, and listings, of claims in the application

Listing of Claims:

1.   (Previously Presented) An apparatus for processing an input image, comprising:

an interest part input section for the user observing the input image to select an interest part as a part interested in of the input image;

a texture size enhancing unit for magnifying in size the interest part of a texture;

an enhancing processing unit for carrying out a sharpness enhancing process on the interest part magnified of the texture;

a compression unit for compressing a shape data and a texture data separately; and

a mapping unit for mapping the texture data onto the shape data.

2.   (Previously Presented) An apparatus for processing an input image according to claim 1, wherein the sharpness enhancing process is to expand a distribution of a first principal component analysis value computed by analyzing, based on a principal component analysis, a part or entire of the input image by using the enhancing value.

3.   (Currently Amended) An apparatus for processing an image, comprising:

an interest part input section for the user observing an input image to select an interest part as a part interested in of the input image;

a texture size enhancing unit for magnifying in size the interest part of a texture; and

an enhancing processing unit for carrying out a sharpness enhancing process on the interest part magnified of the texture~~An apparatus for processing an input image according to claim 1~~, wherein the sharpness enhancing process is to generate a blurred image the input image is blurred in an entire or part, and further to expand, by using the enhancing degree, a distribution of a high-frequency component of the input image first principal component analysis value computed by the input image principal component analysis value computed by

analyzing, based on a principal component analysis, an entire or part of the input image and a blurred image first principal component analysis value computed by analyzing, based on a principal component analysis, the blurred image, to which the blurred image first primary component value is added.

4.   (Cancelled)

5.   (Currently Amended) ~~An apparatus for processing an input image according to claim 1, further comprising~~An apparatus for processing an image, comprising:

an interest part input section for the user observing an input image to select an interest part as a part interested in of the input image;

a texture size enhancing unit for magnifying in size the interest part of a texture;

an enhancing processing unit for carrying out a sharpness enhancing process on the interest part magnified of the texture;

a subject information acquiring unit for extracting subject information contained in the input image from the input image;

a display information acquiring unit for acquiring display information representative of a performance of a display for displaying the input image;

an enhancement parameter determining unit for determining an enhancing degree as a parameter for enhancing a sharpness of the input image by using at least one of the subject information and the display information;

a texture size enhancing unit for magnifying in size the interest part of a texture; and

an enhancing processing unit for carrying out a sharpness enhancing process on the interest part magnified of the texture.

6.   (Previously Presented) A method executed on a computer for processing an input image having shape data and texture data, comprising:

a first step for selecting an interest part as a part interested in of the input image;

a second step for magnifying in size the interest part of the texture data;

third step for carrying out a sharpness enhancing process on the interest part magnified of the texture data;

a fourth step for compressing the shape data and compressing the texture data separately;

a fifth step for reconstructing the compressed shape data;

a sixth step for reconstructing the compressed texture data; and

a seventh step for mapping the reconstructed texture data of the sixth step onto the reconstructed shape data of the fifth step wherein the processed and mapped input image is displayed.

7.   (Previously Presented) A method executed on a computer for processing an input image according to claim 6, wherein the sharpness enhancing process is to expand a distribution of a first principal component analysis value computed by analyzing, based on a principal component analysis, a part or entire of the input image by using the enhancing value wherein the processed input image is displayed.

8.   (Previously Presented) A method for processing an input image according to claim 6, wherein the sharpness enhancing process is to generate a blurred image the input image is blurred in an entire or part, and further to expand, by using the enhancing degree, a distribution of a high-frequency component of the input image first principal component analysis value computed by the input image first principal component analysis value computed by analyzing, based on a principal component analysis, an entire or part of the input image and a blurred image first principal component analysis value computed by analyzing, based on a principal component analysis, the blurred image, to which the blurred image first principal component analysis value is added wherein the processed input image is displayed.

9.   (Cancelled)

10.   (Previously Presented)   A method for processing an input image according to claim 6, further comprising:

a eighth step for extracting subject information contained in the input image from the input image;

a ninth step for acquiring display information representative of a performance of a display for displaying the input image;

a tenth step for determining an enhancing degree as a parameter for enhancing a sharpness of the input image by using at least one of the subject information and the display information;

an eleventh step for magnifying in size the interest part of a texture; and

a twelfth step for carrying out a sharpness enhancing process on the interest part magnified of the texture wherein the processed input image is displayed.

11.   (Previously Presented)   An apparatus for processing an input image according to claim 1, further comprising a shape data reconstructing unit for reconstructing the compressed shape data, a texture data reconstructing unit for reconstructing the compressed texture data.